



PATENT  
Attorney Docket No. 05725:0632-00

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re National Stage of International  
Application No. PCT/FR98/02831 of:

**Gérard LANG et al.**

Serial No.: 09/600,128

PCT Filed: December 22, 1998

Filed: September 13, 2000

For: KERATINOUS FIBRE OXIDATION  
DYEING COMPOSITION CONTAINING A  
LACCASE AND DYEING METHOD  
USING SAME

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NOV - 8 2000  
GROUP 1700  
Group Art Unit: 1751  
Examiner: Unassigned

**INFORMATION DISCLOSURE STATEMENT**  
**UNDER 37 C.F.R. § 1.97(b)**

**Box PCT**  
Assistant Commissioner for Patents  
Washington, D.C. 20231

Sir:

Pursuant to 37 C.F.R. §§ 1.56 and 1.97(b), Applicants bring to the attention of the Examiner the documents cited in the International Search Report and listed on the attached PTO 1449. This Information Disclosure Statement is being filed before the mailing date of a first Office Action on the merits for the above-referenced application. Copies of the International Search Report and listed documents are attached.

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Applicants respectfully request that the Examiner consider the listed documents and indicate that they were considered by making appropriate notations on the attached form.

The following relates to the non-English language documents:

1. DE 23 59 399 - This document is believed to be related to U.S. Patent No. 4,003,699, submitted herewith.
2. DE 38 43 892 - This document is believed to be related to U.S. Patent No. 5,061,289, submitted herewith.
3. DE 41 33 957 - This document is believed to be related to U.S. Patent No. 5,380,340, submitted herewith.
4. DE 42 34 886 - This document is believed to be related to U.S. Patent No. 5,430,159, submitted herewith.
5. DE 42 34 887 - This document is believed to be related to U.S. Patent No. 5,534,267, submitted herewith.
6. EP 0 504 005 - An abstract of the disclosure of this document can be found in the English language Derwent Abstract submitted herewith.
7. EP 0 728 466 - This document is believed to be related to U.S. Patent No. 5,769,903, submitted herewith.
8. FR 2 075 583 - This document is believed to be related to U.S. Patent No. 3,705,896, submitted herewith.

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9. **FR 2 112 549** - An abstract of the disclosure of this document can be found in the English language Derwent Abstract submitted herewith.
10. **FR 2 694 018** - An abstract of the disclosure of this document can be found in the English language Derwent Abstract submitted herewith.
11. **FR 2 733 749** - An abstract of the disclosure of this document can be found in the English language Derwent Abstract submitted herewith.
12. **FR 2 735 685** - This document is believed to be related to U.S. Patent No. 5,769,902, submitted herewith.
13. **JP 59-162548** - This document is believed to be related to U.S. Patent No. 4,500,630, submitted herewith.
14. **JP 59-171956** - This document is believed to be related to U.S. Patent No. 4,540,654, submitted herewith.
15. **JP 60-172982** - This document is believed to be related to U.S. Patent No. 4,621,046, submitted herewith.
16. **JP 60-190779** - An abstract of the disclosure of this document can be found in the English language Derwent Abstract submitted herewith.
17. **JP 62-279337** - An abstract of the disclosure of this document can be found in the English language Derwent Abstract submitted herewith.
18. **JP 6-236011** - An abstract of the disclosure of this document can be found in the English language Derwent Abstract submitted herewith.

19. **JP 7-325375** - An abstract of the disclosure of this document can be found in the English language Derwent Abstract submitted herewith.
20. **JP 58-42045** - An abstract of the disclosure of this document can be found in the English language Derwent Abstract submitted herewith.
21. **JP 59-99437** - An abstract of the disclosure of this document can be found in the English language Derwent Abstract submitted herewith.
22. **JP 60-33552** - An abstract of the disclosure of this document can be found in the English language Derwent Abstract submitted herewith.
23. **JP 60-43659** - An abstract of the disclosure of this document can be found in the English language Derwent Abstract submitted herewith.
24. **JP 2-19576** - An abstract of the disclosure of this document can be found in the English language Derwent Abstract submitted herewith.
25. **JP 5-163124** - An abstract of the disclosure of this document can be found in the English language Derwent Abstract submitted herewith.
26. **JP 7-36159** - An abstract of the disclosure of this document can be found in the English language Derwent Abstract submitted herewith.
27. **JP 7-84348** - An abstract of the disclosure of this document can be found in the English language Derwent Abstract submitted herewith.
28. **JP 7-92632** - An abstract of the disclosure of this document can be found in the English language Derwent Abstract submitted herewith.

29. JP 7-98489 - An abstract of the disclosure of this document can be found in the English language Derwent Abstract submitted herewith.
30. JP 7-244361 - An abstract of the disclosure of this document can be found in the English language Derwent Abstract submitted herewith.
31. WO 94/08969 - An English language abstract of this foreign language document can be found on the title page of this document.
32. WO 94/08970 - An English language abstract of this foreign language document can be found on the title page of this document.
33. WO 97/39727 - An English language abstract of this foreign language document can be found on the title page of this document.
34. Von Dr. H. Gold, "Die Reaktion von Cyanurchlorid mit Dimethylformamid", Angew. Chem., Vol. 72, No. 23, 1960, pp. 956-959 - This document is cited at page 14 of the specification.
35. R. Stollé, "Ueber die Ueberführung der secundären Säurehydrazide in Derivate des Furodiazols, Pyrrodiazols und Thiodiazols", Berichte der deutschen Chemischen Gesellschaft, 1899, pp. 797-798 - This document is cited at page 13 of the specification.
36. Hans Beyer et al., "Über die Pyrazolbildung aus  $\alpha$ -Chlor-acetessigester und Thiocarbohydrazid", Chemische Berichte, Vol. 89, No. 11, 1956, pp. 2550-2555 - This document is cited at page 13 of the specification.

37. Lidia Wyzgowska et al., "O Reakcjach Trikarboetoksymetanu. VIII", ACTA Polon. Pharm., Vol. 39, Nos. 1-3, 1982, pp. 84-88 - This document is cited at page 16 of the specification.
38. E. Hannig et al., "Zur Kenntnis des 4-aminierten Phenylbutazons", Die Pharmazie, Vol. 35, No. 4, 1980, pp. 231 - This document is cited at page 16 of the specification.
39. Giuliana Cardillo et al., "Sulle 1,2-difenil-3,5-dichetopirazolidine. Prodotti di reazione con biossido di azoto", Gazz. Chim. Ital, Vol. 96, Nos. 8-9, 1966, pp. 973-985 - This document is cited at page 16 of the specification.
40. Eser Ilhan et al., "Synthese von 6-Benzyliden-2-( $\alpha$ - $\alpha$ -diphenyl- $\alpha$ -hydroxyacetyl)-thiazolo[3,2-b]-s-triazol-5-onen als potentiell biologisch wirksame Stoffe", Arch. Pharm., Vol. 32, No. 12, 1994, pp. 825-826 - This document is cited at page 17 of the specification.

Additionally, Applicants would like to bring to the Examiner's attention the following twelve co-pending applications, which applications all relate to similar subject matter:

1. **Title:** KERATINOUS FIBRE DYEING COMPOSITION  
CONTAINING A LACCASE AND DYEING METHOD  
USING THE SAME  
**Serial No.:** 09/600,129  
**By:** Gérard LANG et al.  
**Filed:** July 12, 2000  
**Attorney Docket No.:** 05725.0621-00000

2. **Title:** DYEING COMPOSITION CONTAINING A LACCASE  
AND KERATINOUS FIBRE DYEING METHOD

**Serial No.:** 09/600,132

**By:** Gérard LANG et al.

**Filed:** August 14, 2000

**Attorney Docket No.:** 05725.0623-00000

3. **Title:** MIXTURE FOR THE OXIDATION TINTING OF  
KERATIN FIBRES CONTAINING A LACCASE  
AND TINTING METHOD USING SAID MIXTURE

**Serial No.:** 09/600,102

**By:** Gérard LANG et al.

**Filed:** July 12, 2000

**Attorney Docket No.:** 05725.0624-00000

4. **Title:** MIXTURE FOR THE OXIDATION TINTING OF  
KERATIN FIBRES CONTAINING A LACCASE  
AND TINTING METHOD USING SAID MIXTURE

**Serial No.:** 09/600,127

**By:** Gérard LANG et al.

**Filed:** July 12, 2000

**Attorney Docket No.:** 05725.0625-00000

5. **Title:** MIXTURE FOR THE OXIDATION TINTING OF  
KERATIN FIBRES CONTAINING A LACCASE  
AND TINTING METHOD USING SAID MIXTURE

**Serial No.:** 09/600,104

**By:** Gérard LANG et al.

**Filed:** September 5, 2000

**Attorney Docket No.:** 05725.0626-00000

6. **Title:** MIXTURE FOR THE OXIDATION TINTING OF  
KERATIN FIBRES CONTAINING A LACCASE  
AND TINTING METHOD USING SAID MIXTURE

**Serial No.:** 09/600,106

**By:** Gérard LANG et al.

**Filed:** September 5, 2000

**Attorney Docket No.:** 05725.0627-00000

7. **Title:** KERATINOUS FIBRE OXIDATION DYEING  
COMPOSITIONS CONTAINING A LACCASE  
AND DYEING METHOD USING SAME

**Serial No.:** 09/600,105

**By:** Gérard LANG et al.

**Filed:** July 12, 2000

**Attorney Docket No.:** 05725.0628-00000

8. **Title:** KERATINOUS FIBRE OXIDATION DYEING  
COMPOSITION CONTAINING A LACCASE AND  
DYEING METHOD USING SAME

**Serial No.:** 09/600,136

**By:** Gérard LANG et al.

**Filed:** July 12, 2000

**Attorney Docket No.:** 05725.0629-00000

9. **Title:** DYEING COMPOSITION CONTAINING A  
LACCASE AND KERATINOUS FIBRE  
DYEING METHODS USING SAME

**Serial No.:** 09/600,135

**By:** Gérard LANG et al.

**Filed:** September 11, 2000

**Attorney Docket No.:** 05725.0630-00000

10. **Title:** KERATINOUS FIBRE OXIDATION DYEING  
COMPOSITION CONTAINING A LACCASE AND  
DYEING METHOD USING SAME

**Serial No.:** 09/600,133

**By:** Gérard LANG et al.

**Filed:** July 12, 2000

**Attorney Docket No.:** 05725.0631-00000

11. **Title:** KERATINOUS FIBRE OXIDATION DYEING  
COMPOSITION CONTAINING LACCASE AND  
DYEING METHOD USING SAME

**Serial No.:** 09/600,103

**By:** Gérard LANG et al.

**Filed:** July 12, 2000

**Attorney Docket No.:** 05725.0648-00000



- 12. Title:** COMPOSITION FOR THE OXIDATION DYEING  
OF KERATINOUS FIBERS CONTAINING A  
LACCASE AND DYEING METHOD USING THIS  
COMPOSITION

**Serial No.:** 09/600,134

**By:** Gérard LANG et al.

**Filed:** July 12, 2000

**Attorney Docket No.:** 05725.0654-00000

This submission does not represent that a search has been made or that no better art exists and does not constitute an admission that each or all of the listed documents are material or constitute "prior art." If the Examiner applies any of the documents as prior art against any claim in the application and Applicants determine that the cited documents do not constitute "prior art" under United States law, Applicants reserve the right to present to the U.S. Patent Office the relevant facts and law regarding the appropriate status of such documents.

Applicants further reserve the right to take appropriate action to establish the patentability of the disclosed invention over the listed documents, should one or more of the documents be applied against the claims of the present application.

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Serial No. 09/600,128

If there is any fee due in connection with the filing of this Statement, please  
charge the fee to our Deposit Account No. 06-0916.

Respectfully submitted,

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GARRETT & DUNNER, L.L.P.

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Date: November 6, 2000